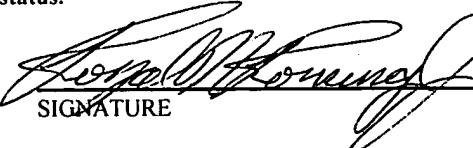


U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE TRANSMITTAL LETTER TO THE UNITED STATES 30 2000 DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER PL-9813
INTERNATIONAL APPLICATION NO. PCT/IB99/00907		U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR To be assigned 09/674457
INTERNATIONAL FILING DATE 7 May 1999		PRIORITY DATE CLAIMED 8 May 1998
TITLE OF INVENTION <b>Microfluidic Device</b>		
APPLICANT(S) FOR DO/EO/US <b>Anders Larsson, Klas Allmer, and Per Andersson</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</li> <li><input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</li> <li><input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c) (2))             <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li><input checked="" type="checkbox"/> has been transmitted by the International Bureau.</li> <li><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li><input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</li> <li><input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210).</li> <li><input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))             <ol style="list-style-type: none"> <li><input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li><input type="checkbox"/> have been transmitted by the International Bureau.</li> <li><input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li><input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li><input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li><input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li><input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409).</li> <li><input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> </ol>		
Items 13 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> <li><input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li><input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li><input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li><input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li><input type="checkbox"/> A substitute specification.</li> <li><input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li><input checked="" type="checkbox"/> Certificate of Mailing by Express Mail</li> <li><input checked="" type="checkbox"/> Other items or information:</li> </ol>		
<p><b>Copy of the International Application as published by the International Bureau</b></p> <p><b>Return Postcard</b></p>		

U.S. APPLICATION NO. (IF KNOWN, SERIALIZED) 09/674457 To be assigned	INTERNATIONAL APPLICATION NO. PCT/IB99/00907	ATTORNEY'S DOCKET NUMBER PL-9813																									
21. The following fees are submitted:		CALCULATIONS PTO USE ONLY																									
<b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :</b>																											
<input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$970.00																											
<input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but Internation Search Report prepared by the EPO or JPO ..... \$840.00																											
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<input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$670.00																											
<input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$96.00																											
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>		<b>\$840.00</b>																									
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)).		□ 20    □ 30 <b>\$0.00</b>																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">CLAIMS</th> <th style="text-align: left; padding: 2px;">NUMBER FILED</th> <th style="text-align: left; padding: 2px;">NUMBER EXTRA</th> <th style="text-align: left; padding: 2px;">RATE</th> <th style="text-align: left; padding: 2px;"> </th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Total claims</td> <td style="padding: 2px;">19 - 20 =</td> <td style="padding: 2px;">0</td> <td style="padding: 2px;">x \$18.00</td> <td style="padding: 2px; text-align: right;">\$0.00</td> </tr> <tr> <td style="padding: 2px;">Independent claims</td> <td style="padding: 2px;">1 - 3 =</td> <td style="padding: 2px;">0</td> <td style="padding: 2px;">x \$78.00</td> <td style="padding: 2px; text-align: right;">\$0.00</td> </tr> <tr> <td colspan="4" style="text-align: right; padding: 2px;">Multiple Dependent Claims (check if applicable).</td> <td style="padding: 2px; text-align: right;">□ <b>\$0.00</b></td> </tr> <tr> <td colspan="4" style="text-align: right; padding: 2px;"><b>TOTAL OF ABOVE CALCULATIONS</b></td> <td style="padding: 2px; text-align: right;"><b>\$840.00</b></td> </tr> </tbody> </table>		CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		Total claims	19 - 20 =	0	x \$18.00	\$0.00	Independent claims	1 - 3 =	0	x \$78.00	\$0.00	Multiple Dependent Claims (check if applicable).				□ <b>\$0.00</b>	<b>TOTAL OF ABOVE CALCULATIONS</b>				<b>\$840.00</b>	
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<b>TOTAL OF ABOVE CALCULATIONS</b>				<b>\$840.00</b>																							
Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable).		□ <b>\$0.00</b>																									
<b>SUBTOTAL</b>		<b>\$840.00</b>																									
Processing fee of \$130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492 (f)).		□ 20    □ 30    + <b>\$0.00</b>																									
<b>TOTAL NATIONAL FEE</b>		<b>\$840.00</b>																									
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).		□ <b>\$0.00</b>																									
<b>TOTAL FEES ENCLOSED</b>		<b>\$840.00</b>																									
		Amount to be: refunded      \$ charged      \$  																									

A check in the amount of to cover the above fees is enclosed.

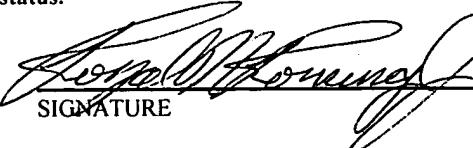
Please charge my Deposit Account No. 500-588 in the amount of \$840.00 to cover the above fees. A duplicate copy of this sheet is enclosed.

The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 500-588 A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Royal N. Ronning, Jr.  
Amersham Pharmacia Biotech, Inc.  
800 Centennial Avenue  
Piscataway, New Jersey 08855  
(732) 457-8423

  
SIGNATURE

Royal N. Ronning, Jr.

NAME

32,529

REGISTRATION NUMBER

October 30, 2000

DATE

09/674457

## CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Larsson, et al.

REC'D

PCT/PTO Docket No.

PL-9813

30 OCT 2000

Serial No.

To be assigned

Filing Date

30 October 2000

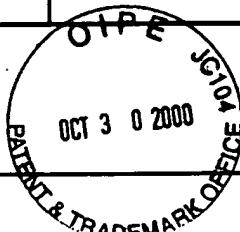
Examiner

To be assigned

Group Art Unit

To be assigned

Invention: Microfluidic Device



I hereby certify that the following correspondence:

Transmittal Letter with Copy, Preliminary Amendment, copy of International Application as published by the International Bureau, copy of the International Search Report, and a return postcard

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

30 October 2000

(Date)

Melissa Leck

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

EL493404023US

("Express Mail" Mailing Label Number)